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# The Total Embedding Distributions of two Classes of Graphs

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摘要 Total embedding distributions have been known for only a few classes of graphs. In this paper the total embedding distributions of the cacti and the necklaces are obtained. Furthermore we obtain the total embedding distributions of all graphs with maximum genus 1 by using the method of this paper.

关键词 <u>overlap matrix</u> <u>total embedding distribution</u> <u>cacti</u> <u>necklaces</u>

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**Abstract** Total embedding distributions have been known for only a few classes of graphs. In this paper the total embedding distributions of the cacti and the necklaces are obtained. Furthermore we obtain the total embedding distributions of all graphs with maximum genus 1 by using the method of this paper.

Key words overlap matrix total embedding distribution cacti necklaces

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